ELSEVIER

VOL. 220 NOS. 1–2, 4 JUNE 2001

international journal of pharmaceutics

www.elsevier.com/locate/ijpharm

Cited in: BIOSIS/Biological Abstracts, CAB Abstracts, Chemical Abstracts Service, Current Contents (Life Sciences, Clinical Medicine), EMBASE/Excerpta Medica, Elsevier BIOBASE/Current Advances in Biological Sciences, International Pharmaceutical Abstracts, MEDLINE/Index Medicus, PASCAL M, Science Citation Index

CONTENTS

Research papers

Mode of administration-dependent pharmacokinetics of bisphosphonates and bioavailability determination
A. Hoffman, D. Stepensky, A. Ezra, J.M. Van Gelder, G. Golomb (Israel) 1

Preparation and evaluation of ketoprofen floating oral delivery system
A.H. El-Kamel, M.S. Sokar, S.S. Al Gamal, V.F. Naggar (Egypt) 13

Intercalation compounds of hydrotalcite-like anionic clays with antiinflammatory agents — I. Intercalation and in vitro release of ibuprofen
V. Ambrogi, G. Fardella, G. Grandolini, L. Perioli (Italy) 23

Microwave-enhanced dehydration and solvent washing purification of penicillin G sulfoxide
X. Pan, H. Liu, Z. An, J. Wang, G. Niu (People's Republic of China) 33

The combined effect of IDA and glutaraldehyde on the properties of human erythrocytes
A. Szwarocka, A. Kowalczyk, D. Łubgan, Z. Jóźwiak (Poland) 43

Determination of the partition coefficients of a homologous series of ciprofloxacin: influence of the *N*-4 piperazinyl alkylation on the antimicrobial activity
J.L. Vázquez, S. Merino, Ò. Doménech, M. Berlanga, M. Viñas, M.T. Montero, J. Hernández-Borrell (Spain) 53

Topical transport of hydrophilic compounds using water-in-oil nanoemulsions
H. Wu, C. Ramachandran, N.D. Weiner, B.J. Roessler (USA) 63

An alternative method to the evaluation of similarity factor in dissolution testing
P. Costa (Portugal) 77

The stimulated acoustic relaxation emission of maize starch tablets
V. Mellin, J. Salonen, E. Laine (Finland) 85

Controlled release of nalbuphine propionate from biodegradable microspheres: in vitro and in vivo studies
S.-Y. Yen, K.C. Sung, J.-J. Wang, O. Yoa-Pu Hu (ROC) 91

Effect of additives on insulin absorption from intratracheally administered dry powders in rats
H. Todo, H. Okamoto, K. Iida, K. Danjo (Japan) 101

In vitro permeation studies of triamcinolone acetonide mouthwashes
S. Ungphaiboon, Y. Maitani (Thailand, Japan) 111

Oral absorption of cephalosporins is quantitatively predicted from in vitro uptake into intestinal brush border membrane vesicles
R. Kohda-Shimizu, Y.-H. Li, Y. Shitara, K. Ito, Y. Tsuda, H. Yamada, T. Itoh (Japan) 119

Influence of the roll compactor parameter settings and the compression pressure on the buccal bio-adhesive tablet properties
B. Rambali, L. Baert, E. Jans, D.L. Massart (Belgium) 129

Development of a novel dosage form for intramuscular injection of titrated extract of *Centella asiatica* in a mixed micellar system
C.-K. Kim, Y.-Y. Hwang, J.Y. Chang, H.-G. Choi, S.-J. Lim, M.-K. Lee (South Korea) 141

Using experimental design to optimize the process parameters in fluidized bed granulation on a semi-full scale
B. Rambali, L. Baert, D.L. Massart (Belgium) 149

Comparison of in situ gelling formulations for the oral delivery of cimetidine
S. Miyazaki, N. Kawasaki, W. Kubo, K. Endo, D. Attwood (Japan, UK) 161

(Contents continued on page 185)

CONTENTS Direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **www.elsevier.nl/locate/contentsdirect**

0378-5173(20010604)220:1-2;1-8

05049

(Contents continued from outside back cover)

Relevance of polymer molecular weight to the in vitro/in vivo performances of ocular inserts based on poly(ethylene oxide)
G. Di Colo, S. Burgalassi, P. Chetoni, M.P. Fiaschi, Y. Zambito, M.F. Saettone (Italy) 169

Book review
Handbook of pharmaceutical controlled release technology, Edited by Donald L. Wise
I. Uchegbu (UK) 179

Noticeboard 181